

1 **ABSTRACT OF THE DISCLOSURE**

2 A method for making controlled-release ammonium phosphate
3 fertilizer has the following acts of: cracking, pulverizing, blending, aging,
4 drying, and adding release-controlling materials into an ammonium
5 phosphate slurry during preparing processes or adding release-controlling
6 materials in achieved ammonium phosphate powder. Selectively, sulfuric
7 acid is added into the mixture of the release-controlling materials and the
8 ammonium phosphate slurry or ammonium phosphate powder to acidify the
9 mixture. In this method, the release-controlling material combines with the
10 ammonium phosphate by chemical bonding to controll the release of
11 nitrogen and phosphorus nutrients to enhance the use efficiency and elongate
12 fertilization effect of the controlled-release ammonium phosphate fertilizer.
13 Additionally, manufacturing equipment of the present invention are basically
14 the same with the equipment manufacturing the conventional ammonium
15 phosphate fertilizer and the raw materials such as release-controlling
16 materials are easily obtained for free, no extra manufacturing and product
17 cost increase in the present invention.